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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/714,116	11/14/2003	Harold E. Hamilton	M366.12-0027	1937
27367	7590 03/15/2006		EXAMINER	
	CHAMPLIN & KI		TANNER, HARRY B	
20112111	AVENUE SOUTH	CENTRE	ART UNIT	PAPER NUMBER
	LIS, MN 55402-331	9	3744	

DATE MAILED: 03/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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HIRTY (30) DAYS,			
date of this communication. . § 133). e any			
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## Office Action Summary

Application No.

10/714,116

HAMILTON ET AL.

Examiner

Harry B. Tanner

3744

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address -- Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned natent term adjustment. See 37 CFR 1.704(b)

earned patent term adjustment. See 37 CFR 1.704(b).
Status
<ol> <li>Responsive to communication(s) filed on <u>22 December 2005</u>.</li> <li>This action is <b>FINAL</b>. 2b)  This action is non-final.</li> <li>Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i>, 1935 C.D. 11, 453 O.G. 213.</li> </ol>
Disposition of Claims
<ul> <li>4)  Claim(s) 1-19 is/are pending in the application.</li> <li>4a) Of the above claim(s) 19 is/are withdrawn from consideration.</li> <li>5)  Claim(s) is/are allowed.</li> <li>6)  Claim(s) 1-18 is/are rejected.</li> <li>7)  Claim(s) is/are objected to.</li> <li>8)  Claim(s) are subject to restriction and/or election requirement.</li> </ul>
Application Papers
<ul> <li>9) The specification is objected to by the Examiner.</li> <li>10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).</li> <li>11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.</li> </ul>
Priority under 35 U.S.C. § 119
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>
AMaaharaan (12)

1) Notice of References Cited (PTO-892)

Paper No(s)/Mail Date

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. \_\_\_\_\_.

6) Other: \_

Notice of Informal Patent Application (PTO-152)

Applicant's election with traverse of the invention of Group I in the reply filed on 12/22/05 is acknowledged. The traversal is on the ground(s) that claim 19 while broader than claims 1-18 is directed to the same invention. This is not found persuasive because claim 19 is directed to a rotary valve and recites only valve structure. The phrase "for use in a burn-in-oven ..." is only a statement of intended use and does not limit the scope of the claimed valve.

The requirement is still deemed proper and is therefore made FINAL.

Claim 19 is withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on 12/22/05.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-2 and 4-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hamilton et al (5,582,235) in view of Kondou et al. Hamilton '235 discloses the invention substantially as claimed. Hamilton '235 discloses a valve system for a burnin oven having a plurality of controllable valves 100a-100n positioned above a plurality of integrated circuits 25a-25n on a burn-in board 15 in which each valve is operated by

a separate electric motor 110a-110n under control of a controller 35 in response to the individual integrated circuit's temperature sensors 30a-30n. Kondou teaches the use of a plurality of elongated plenums 30 each with a plurality of openings 4 over integrated circuits 2 on boards 1 in order to provide cooling of the circuits in a compact space from a single cooling source 13 (see Figure 9). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the system of Hamilton '235 such that it included the use of plurality of elongated plenums each with a plurality of openings over integrated circuits with the controllable valves at each opening in order to provide cooling of a plurality of circuits in a compact space from a single cooling source in view of the teachings of Kondou.

Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hamilton et al (5,582,235) in view of Kondou et al as applied to claim 1 above, and further in view of Yoo. Yoo teaches the use of rotary valve having a cylindrical body 104 with a central opening 105 for using in controlling air flow (see Figures 5A-5C). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the system of Hamilton such that it included the use of rotary valves having a cylindrical body with a central opening for using in controlling cooling air flow in view of the teachings of Yoo.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Harry B. Tanner whose telephone number is (571) 272-4813. The examiner can normally be reached 8:30 am to 5:00 pm Monday through Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler, can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://portal.uspto.gov/external/portal/pair. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Harry B. Tanner Primary Examiner

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